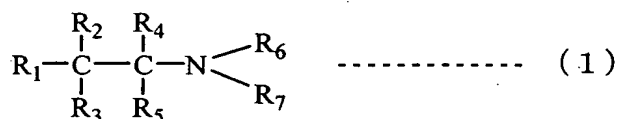


# CLAIMS

1. A skin conditioner containing one or more kinds of ingredient selected from the group consisting of an ammonium salt and ions thereof, a compound represented by  
5 the formula (1):



- (wherein, R<sub>1</sub>, R<sub>2</sub> and R<sub>3</sub> each independently represent a  
10 hydrogen atom, a hydroxyl group, a lower alkoxy group that may optionally have a substituent, a phosphoryloxy group, an aryl group that may optionally be substituted with a hydroxyl group, an amino group, a sulfonic acid group, a phosphatidyloxy group, a lower alkyl group that may  
15 optionally be substituted with a hydroxyl group or an amino group, a carboxyl group, a guanidino group or a lower alkyl group substituted with a guanidino group;

- R<sub>4</sub> and R<sub>5</sub> each independently represent a hydrogen atom, a hydroxyl group, a lower alkyl group or an aryl  
20 group that may optionally be substituted with a hydroxyl group or an amino group, or a carboxyl group, or R<sub>4</sub> and R<sub>5</sub>, together with an adjacent carbon atom, form a carbonyl group;

- R<sub>6</sub> and R<sub>7</sub> each independently represent a hydrogen  
25 atom, a lower alkyl group that may optionally be substituted with a hydroxyl group, a lower alkylcarbonyl group, an aryl group or an aralkyl group, or R<sub>6</sub> and R<sub>7</sub> represent alkylene groups, which may optionally have a substituent, that together form a 5-membered ring with an  
30 adjacent atom; and

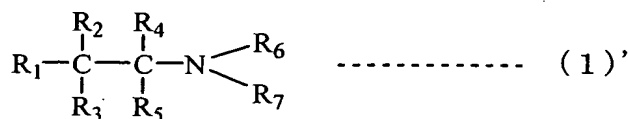
nitrogen atoms in the formula may be in a quaternary form with a lower alkyl group) and ions thereof and pharmaceutically acceptable salts thereof.

2. A skin conditioner according to claim 1 wherein the skin conditioner is an agent for restoration of the skin's barrier mechanism and function.

5 3. A skin conditioner according to claim 1 wherein the skin conditioner is an agent for the prevention, prevention of exacerbation or treatment of atopic dermatitis.

10 4. The skin conditioner according to any one of claims 1 through 3 wherein the compound represented by the formula (1) is selected from the group consisting of L-arginine, ethanolamine, 2-methoxyethylamine, O-phosphorylethanolamine, 2-ethylaminoethanol, diethanolamine, 2-dimethylaminoethanol, choline, 2-amino-2-hydroxymethyl-1,3-propanediol,  
15 noradrenalin, phenethylamine, ethylenediamine, taurine, phosphatidylethanolamine, N-(2-hydroxyethyl)acetamide, 2-(methylamino)ethanol, 2-anilinoethanol, 2-(benzylamino)ethanol, 3-amino-1-propanol, 2-amino-1-butanol, putrescine, DL-pyroglutamic acid and triethanolamine.

20 5. The skin conditioner according to any one of claims 1 through 3 comprising one or more kinds of ingredient selected from the group consisting of L-arginine and ions thereof and/or pharmaceutically acceptable salts thereof;  
25 an ammonium salt and ions thereof, a compound represented by the formula (1)':



30 (wherein, R<sub>1</sub>, R<sub>2</sub> and R<sub>3</sub> each independently represent a hydrogen atom, a hydroxyl group, a lower alkoxy group that may optionally have a substituent, a phosphoryloxy group, an aryl group that may optionally be substituted with a hydroxyl group, an amino group, a sulfonic acid group, a

phosphatidyloxy group, a lower alkyl group that may optionally be substituted with a hydroxyl group or an amino group, a guanidino group or a lower alkyl group substituted with a guanidino group;

5           R<sub>4</sub> and R<sub>5</sub> each independently represent a hydrogen atom, a hydroxyl group, or a lower alkyl group or an aryl group that may optionally be substituted with a hydroxyl group or an amino group, or R<sub>4</sub> and R<sub>5</sub>, together with an adjacent carbon atom, form a carbonyl group;

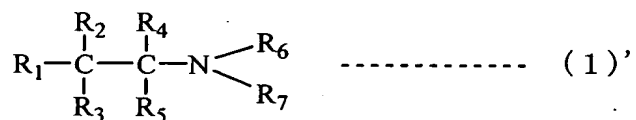
10           R<sub>6</sub> and R<sub>7</sub> each independently represent a hydrogen atom, a lower alkyl group that may optionally be substituted with a hydroxyl group, a lower alkylcarbonyl group, an aryl group or an aralkyl group, or R<sub>6</sub> and R<sub>2</sub> represent alkylene groups, which may optionally have a  
15           substituent, that together form a 5-membered ring with an adjacent atom; and

            nitrogen atoms in the formula may be in a quaternary form with a lower alkyl group) and salts thereof and pharmaceutically acceptable salts thereof.

20

6. The skin conditioner according to any one of claims 1 to 3 comprising one or more kinds of ingredient selected from the group consisting of an ammonium salt and/or ions thereof;

25           a compound represented by the formula (1)':



(wherein, R<sub>1</sub>, R<sub>2</sub> and R<sub>3</sub> each independently represent a  
30           hydrogen atom, a hydroxyl group, a lower alkoxy group that may optionally have a substituent, a phosphoryloxy group, an aryl group that may optionally be substituted with a hydroxyl group, an amino group, a sulfonic acid group, a phosphatidyloxy group, a lower alkyl group that may

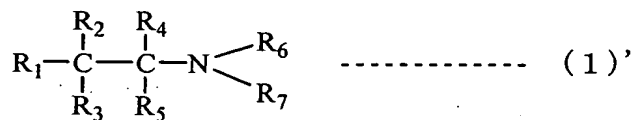
optionally be substituted with a hydroxyl group or an amino group, a guanidino group or a lower alkyl group substituted with a guanidino group;

5 R<sub>4</sub> and R<sub>5</sub> each independently represent a hydrogen atom, a hydroxyl group, or a lower alkyl group or an aryl group that may optionally be substituted with a hydroxyl group or an amino group, or R<sub>4</sub> and R<sub>5</sub>, together with an adjacent carbon atom, form a carbonyl group;

10 R<sub>6</sub> and R<sub>7</sub> each independently represent a hydrogen atom, a lower alkyl group that may optionally be substituted with a hydroxyl group, a lower alkylcarbonyl group, an aryl group or an aralkyl group, or R<sub>6</sub> and R<sub>7</sub> represent alkylene groups, which may optionally have a substituent, that together form a 5-membered ring with an adjacent atom; and

15 nitrogen atoms in the formula may be in a quaternary form with a lower alkyl group) and salts thereof and pharmaceutically acceptable salts thereof.

20 7. The skin conditioner according to any one of claims 1 through 3 comprising one or more kinds of ingredient selected from the group consisting of L-arginine and ions thereof and/or pharmaceutically acceptable salts thereof; an ammonium salt and/or ions thereof, a compound  
25 represented by the formula (1)':



(wherein, R<sub>1</sub>, R<sub>2</sub> and R<sub>3</sub> each independently represent a  
30 hydrogen atom, a hydroxyl group, a lower alkoxy group that may optionally have a substituent, a phosphoryloxy group, an aryl group that may optionally be substituted with a hydroxyl group, an amino group, a sulfonic acid group, a phosphatidyloxy group, a lower alkyl group that may

optionally be substituted with a hydroxyl group or an amino group, a guanidino group or a lower alkyl group substituted with a guanidino group;

5         $R_4$  and  $R_5$  each independently represent a hydrogen atom, a hydroxyl group, or a lower alkyl group or an aryl group that may optionally be substituted with a hydroxyl group or an amino group, or  $R_4$  and  $R_5$ , together with an adjacent carbon atom, form a carbonyl group;

10         $R_6$  and  $R_7$  each independently represent a hydrogen atom, a lower alkyl group that may optionally be substituted with a hydroxyl group, a lower alkylcarbonyl group, an aryl group or an aralkyl group, or  $R_6$  and  $R_7$  represent alkylene groups, which may optionally have a substituent, that  
15 together form a 5-membered ring with an adjacent atom; and  
nitrogen atoms in the formula may be in a quaternary form with a lower alkyl group) and salts thereof and pharmaceutically acceptable salts thereof.

20        8. The skin conditioner according to claim 5 wherein the compound represented by the formula (1)' is selected from the group consisting of ethanolamine, 2-methoxyethylamine, O-phosphorylethanolamine, 2-ethylaminoethanol, diethanolamine, 2-dimethylaminoethanol, choline, 2-amino-2-  
25 hydroxymethyl-1,3-propanediol, noradrenalin, phenethylamine, ethylenediamine, taurine, phosphatidylethanolamine, N-(2-hydroxyethyl)acetamide, 2-(methylamino)ethanol, 2-anilinoethanol, 2-(benzylamino)ethanol, 3-amino-1-propanol, 2-amino-1-butanol, putrescine, DL-pyroglutamic acid and  
30 triethanolamine.

9. The skin conditioner according to any one of claims 1 through 3 further containing a natural substance preparation.

35        10. The skin conditioner according to claim 9 wherein the natural substance preparation is a rice preparation.

11. The skin conditioner according to any one of claims 1 through 3 further containing a moisture retention agent.